Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A vibration compensation apparatus comprising:

an angular velocity detector that detects ~~a plurality of~~ angular velocities in the vibration detection axes directions, the vibration detection axes being two orthogonal detection axes ~~directions~~, and outputs corresponding angular velocity signals;

a compensation unit that compensates vibration in ~~a plurality of~~ vibration compensation ~~axis~~ axes directions, the vibration compensation axes being two orthogonal axes; and

a conversion unit that converts the ~~plurality of~~ angular velocity signals expressed in the vibration detection axes directions obtained by said angular velocity detector or ~~a plurality of~~ vibration compensation signals based on the ~~plurality of~~ angular velocity signals into angular velocity signals or vibration compensation signals expressed in ~~the coordinates of~~ the vibration compensation axes ~~of said compensation unit~~ directions,

wherein said compensation unit compensates the vibration based on the angular velocity signals or vibration ~~correction~~ compensation signals converted by said conversion unit.

2. (Currently Amended) The vibration compensation apparatus according to claim 1, wherein, let the ~~plurality of~~ angular velocity signals expressed in the vibration detection axes direction or ~~correction~~ compensation signals based on the angular velocity signals be x, y, an angle made by the vibration detection axes ~~of the angular velocity unit~~ and the vibration compensation axes ~~of the compensation unit~~ be θ, and the converted signals be X and Y, then

said conversion unit performs the following operations:

$X = x\cos\theta - y\sin\theta$

$Y = y\cos\theta + x\sin\theta$

3. (Currently Amended) The vibration compensation apparatus according to claim 1, wherein said conversion unit has a conversion table storing angular velocity signal values or vibration compensation signal values expressed in the vibration detection axes directions to be used in the conversion operation in accordance with angular velocity signals or vibration compensation signals expressed in the vibration compensation axes directions.

4 (Original) The vibration compensation apparatus according to claim 1, wherein said compensation unit comprises an optical compensation unit.

5 (Currently Amended) An image sensing apparatus comprising:

[[an]] a photoelectric converter that senses an image by converting incident light into an electric signal; and

the vibration compensation apparatus according to claim 1,

wherein said compensation unit compensates vibration by controlling read out timing of the electric signal from said photoelectric converter.

6 (Original) An image sensing apparatus comprising:

an photoelectric converter that senses an image by converting incident light into an

electric signal; and

the vibration compensation apparatus according to claim 1,

wherein said compensation unit compensates vibration by processing the electric signal outputted from said photoelectric converter.

7. (Currently Amended) A vibration compensation method using an angular velocity detector which detects ~~a plurality of~~ angular velocities in the vibration detection axes directions, the vibration detection axes being two orthogonal detection axes ~~directions~~, and outputs angular velocity signals, and a compensation unit which compensates vibration in ~~a plurality of~~ vibration compensation ~~axis~~ axes directions, the vibration compensation axes being two orthogonal axes, comprising:

converting the ~~plurality of~~ angular velocity signals expressed in the vibration detection axes directions obtained by said angular velocity detector or ~~a plurality of~~ vibration compensation signals based on the ~~plurality of~~ angular velocity signals into angular velocity signals or vibration compensation signals expressed in ~~the coordinates of~~ the vibration compensation axes ~~of the compensation unit~~ directions; and

compensating the vibration by controlling the compensation unit based on the converted angular velocity signals or vibration compensation signals.

8. (Currently Amended) A storage medium, readable by an information processing apparatus, storing a program including program codes capable of realizing the vibration compensation method according to claim [[6]] 7, the program being executable by the information processing apparatus.